Restriction Digest

Introduction

Basic protocol for restriction digest.

Materials

- DNA
- Restriction enzymes
- Buffer
- dH2O

Procedure

Digest

1. Combine the materials:

   >500 ng DNA (500 ng for diagnostic digest, >1000ng for restriction cloning
   0.5-1 uL each restriction enzyme
   Buffer (appropriate buffer indicated by enzyme manufacturer, to a final concentration of 1x)
   dH2O to total volume of 20 ul.

2. Mix gently by pipetting.

3. Incubate tube for an appropriate temperature at an appropriate time (usually 37 C, time varies; generally 1 h for NEB enzymes, 10-30 min for FastDigest enzymes. Always follow the manufacturer's instructions.).

4. Visualize the results of your digest, conduct gel electrophoresis.